

WHAT IS CLAIMED IS:

- 1 1. A method, comprising:
2 commissioning a radiation therapy apparatus using an electronic
3 portal imaging device; and
4 using said electronic portal imaging device to obtain dosimetric
5 measurements during radiation therapy.
- 1 2. A method according to Claim 1, wherein said commissioning
2 comprises positioning a imaging panel of said electronic portal imaging device
3 in a patient plane and obtaining radiation measurements at said patient plane.
- 1 3. A method according to Claim 2, wherein said commissioning
2 further comprises positioning said imaging panel at predetermined positions
3 above and below said patient plane, and obtaining radiation measurements at
4 said positions.
- 1 4. A method according to Claim 3, wherein said using said
2 electronic portal imaging device to obtain dosimetric measurements
3 comprises positioning said imaging panel a predetermined distance below
4 said patient plane and between a patient and a source of radiation.
- 1 5. A radiation therapy device, comprising:
2 a linear accelerator for providing radiation to a body; and
3 an electronic portal imaging device operably coupled to said
4 linear accelerator, said electronic portal imaging device adapted for use in
5 commissioning said radiation therapy device and adapted for use in dosimetry
6 applications during therapy.
- 1 6. A radiation therapy device as recited in claim 5, said
2 electronic portal imaging device adapted to be deployed in a patient plane
3 during said commissioning.

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1 8. A radiation therapy device as recited in claim 7, said
2 electronic portal imaging device adapted to be deployed below a patient plane
3 and between a patient and a radiation source during said therapy.

1 10. A system according to Claim 9, said electronic portal
2 imaging device including an imaging panel adapted to be deployed in a
3 patient plane during said commissioning.

1 11. A system according to Claim 10, said electronic portal
2 imaging device including an imaging panel adapted to be deployed in one or
3 more positions above and below a patient plane during said commissioning.

1 12. A system according to Claim 11, said electronic portal
2 imaging device including an imaging panel adapted to be deployed below a
3 patient plane and between a patient and a radiation source during said
4 treatment.

1 13. A radiation therapy method, comprising:
2 providing a linear accelerator for providing radiation to a body;
3 and
4 providing an electronic portal imaging device operably coupled to

5 said linear accelerator, said electronic portal imaging device adapted for use
6 in commissioning said radiation therapy device and adapted for use in
7 dosimetry applications during therapy.

1 14. A radiation therapy method as recited in claim 13, said
2 electronic portal imaging device adapted to be deployed in a patient plane
3 during said commissioning.

1 15. A radiation therapy method as recited in claim 14, said
2 electronic portal imaging device adapted to be deployed in one or more
3 positions above and below a patient plane during said commissioning.

1 16. A radiation therapy method as recited in claim 15, said
2 electronic portal imaging device adapted to be deployed below a patient plane
3 and between a patient and a radiation source during said therapy.

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2 17. A radiation therapy method, comprising:
3 providing a linear accelerator for providing radiation to a body;
4 and
5 providing an electronic portal imaging device operably coupled to
6 said linear accelerator, said electronic portal imaging device adapted for use
7 in patient exit dosimetry of said radiation therapy device and adapted for use
8 in dosimetry applications during therapy treatment.

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